

**Date: May 11, 2004**

**From:** Water Resource Group, Salt Lake City  
**To:** All Colorado River Annual Operating Plan (AOP) Recipients

**Current Status**

	April inflow(unreg) (Acre-Feet)	Percent of normal	Midnight May 10 Elevation	Reservoir Storage (Acre-Feet)
Fontenelle	66,000	71	6484.71	194,000
Flaming Gorge	85,000	54	6009.69	2,631,000
Blue Mesa	68,000	90	7476.06	478,000
Powell	817,000	83	3583.25	10,221,000
Navajo	149,000	86	6020.04	912,000

**Expected Operation**

**FONTENELLE** – On May 11, 2004 releases from Fontenelle Reservoir began to ramp up from 750 cfs to 1250 cfs. Depending on how reservoir inflows increase, releases may be increased to powerplant capacity (~1500 cfs) later in the month. The reservoir elevation on May 9th was 6484.4 feet above sea level and increasing. This elevation is 21.6 feet from the full pool elevation of 6506 feet above sea level. The reservoir elevation will likely rise over the next 3 months and releases will be adjusted to maintain safe elevations through the filling period. Fontenelle Reservoir will likely be very nearly full by the end of July.

The forecasted spring inflow (April through July forecasted inflow volume) was reduced in May from 500,000 acre-feet to 425,000 acre-feet. Scheduled releases for May and June were reduced accordingly to provide an opportunity for Fontenelle Reservoir to fill. There is a small risk of Fontenelle Reservoir not filling this season if the April through July inflow volume turns out to be less than what is forecasted.

Open forum discussions on Fontenelle operations take place at the "Fontenelle Reservoir Working Group" meetings. The Working Group is a forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. The public is encouraged to attend and express their concerns and interests with regard to Fontenelle Reservoir operation. The next Working Group meeting is scheduled for August 18th, 2004 at 10:30 a.m. and will at the Seedskadee Wildlife Refuge below Fontenelle Dam. For more information about the Working Group, contact Ed Vidmar at 801-379-1182.

**FLAMING GORGE** – On May 8, 2004 releases from Flaming Gorge Dam began ramping up to powerplant capacity (about 4,400 cfs at the current reservoir elevation) for a two day spring peak release for endangered fish. Each year, in order to comply with the 1992 Biological Opinion,

Reclamation schedules a spring peak release to coincide with the peak flows of the Yampa River. Due to the extreme drought conditions and the needs of the endangered fish, Reclamation, under consultation with the Fish and Wildlife Service, has scheduled a two day spring peak rather than a seven day spring peak which is the minimum duration prescribed under the 1992 Biological Opinion.

This test flow will save approximately 35,000 acre-feet of water that was originally planned for release during the spring peak. The saved water will be released during the summer months to achieve baseflow levels approximately 200 cfs higher than what was originally planned. The Yampa River began to peak on about May 7th and achieved a peak flow of about 7150 cfs measured at the Deerlodge gage on May 9th. The anticipated peak of the Green River measured at Jensen, Utah is approximately 11,000 cfs.

The current reservoir elevation of Flaming Gorge is 6009.91 feet above sea level. During the spring peak release, the reservoir elevation will decline by about 1.2 feet. After the spring release, the elevation will begin to rise as inflows exceed releases. By the end of the summer (August 31st) the reservoir elevation will likely be about 6010.2 feet above sea level. Releases after the spring peak release are scheduled to be 1000 cfs on average each day. There will likely be some fluctuations occurring during the summer for power production however the minimum instantaneous release rate of 800 cfs will be maintained.

The forecasted spring inflow (Unregulated April through July Inflow Volume) was decreased for May. The forecasted volume is now 510,000 acre-feet (43% of normal). Statistically, this inflow volume is exceeded about 90% of the time. This will be the 5th significantly dry year in a row and marks a drought condition that is unprecedented since the construction of Flaming Gorge Dam. Despite the drought conditions, Flaming Gorge continues to provide water storage and delivery for water consumption, recreation, wildlife, and power production and still contains about 2.64 million acre-feet of water and is over 69% full.

The next "Flaming Gorge Working Group" meeting is to be held on August 19th, 2004 in Heber, Utah at 10:00 a.m.. The location is yet to be determined. The Working Group is a forum for information exchange between Reclamation and all other parties associated with the operation of Flaming Gorge Reservoir. The public is encouraged to attend and express their concerns and interests with regard to the operation of Flaming Gorge Reservoir. For more information about the Working Group please contact Ed Vidmar at 801-379-1182.

**ASPINALL** – April unregulated inflow into Blue Mesa Reservoir was 68,000 acre-feet or 90 percent of average. Drought conditions still remain the controlling factor for water management throughout the region, despite the fact that precipitation during the month of April was 200 percent of average. On May 1, 2004 the basin snowpack was 78 percent of average, however by May 10th the basin snowpack was only 51 percent of average. With the soil moisture being severely depleted from 4 years of continuous drought, we can expect of much reduced spring runoff from the already below normal snowpack. The current inflow rate into Blue Mesa Reservoir is about 2800 cfs and reservoir releases are averaging about 600 cfs. Blue Mesa's present elevation is 7476.06 feet, which corresponds to a storage content of about 478,000 acre-feet.

On May 5, 2004, the National Weather Service's River Forecast Center issued the forecasted inflow for the April through July runoff period. The forecast is projecting a volume runoff into Blue Mesa Reservoir of 460,000 acre-feet or 64 percent of average. This is the same volume of runoff projected from April's seasonal forecast. Based on this forecast, Blue Mesa Reservoir is not expected to fill this year.

Currently, releases from Crystal are set at 1100 cfs. The river flows below the Gunnison Diversion Tunnel are about 350 cfs. Due to the severity of the continuing drought in the Gunnison River Basin, river flows through the Black Canyon of the Gunnison have been set close to the minimum flow rate of 300 cfs. It is anticipated that canyon flows will start to increase as downstream demands pick up, which should start to increase sometime during the first part of June.

The last meeting of the "Aspinall Unit Working Group" was held on Thursday, April 22, 2004 at 1:00 PM in Grand Junction, Colorado. At this meeting, review of last autumn and winter reservoir operations, and plans for spring and summer 2004 operations were discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

**NAVAJO** – Beginning April 1, 2004, the minimum allowable release from Navajo Reservoir was set at 350 cubic feet per second (cfs). Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell). As downstream tributary inflows to the San Juan River decrease, releases will be increased as necessary. Subject to National Environmental Policy Act (NEPA) compliance, the minimum allowable release of 350 cfs will be in effect until November 1, 2004, or until a Record of Decision is received on the Navajo Reservoir Operations Environmental Impact Statement, whichever comes first. Because of gate repair work at Navajo Dam this spring, a spring peak release will not be made for endangered fish this year.

A Shortage Sharing Agreement (SSA) on the San Juan River has been developed by water users, once again this year. The agreement calls for users to limit their water use and share in shortages in the event a water shortage is realized. Minimum Target Base Flows for recovery of endangered fish will be 400 cfs through October based on the 2004 SSA recommendations. The target base flows will be reduced from 500 cfs to 400 cfs for the April through October period, if the Minimum Probable forecast projects the July End-of-Month content of Navajo Reservoir to be below 1,000,000 acre-feet.

On May 5, 2004, the National Weather Service's River Forecast Center issued an inflow forecast for Navajo Reservoir for the April through July runoff period. This forecast is projecting a volume runoff into the reservoir of 625,000 acre-feet. This represents a 78 percent of normal runoff for the Upper San Juan River Basin. Based on the 2004 Shortage Sharing rules, a shortage does not exist under the May forecast.

Unregulated reservoir inflow for April was 149,000 acre-feet, or 86 percent of average. The current daily reservoir inflow is averaging about 3,500 cfs and reservoir releases are set at 350 cfs. Presently, the reservoir water surface elevation is 6020.04 feet, which corresponds to a storage content of about 912,000 acre-feet. The monthly precipitation average in the basin above Bluff was only 190 percent of average for April. The basin wide snowpack on May 10, 2004 was 78 percent of normal for the Animas River basin, and 81 percent of normal for the upper San Juan River basin.

A public meeting on Navajo Reservoir operations was held on Tuesday, April 13, 2004 at 1:00 PM in Farmington, New Mexico. At this meeting, review of last autumn and winter reservoir operations, and plans for spring and summer 2004 operations were discussed. These are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Pat Page in Reclamation's Durango, Colorado Office at (970) 385-6560 for information about these meetings or the daily operation of Navajo Reservoir.

## **Lake Powell - Current Status**

### **Glen Canyon Dam Operations**

In May 2004, a volume of 600,000 acre-feet is scheduled to be released from Lake Powell, which is an average of 9,760 cubic feet per second (cfs). On Mondays through Fridays in May, daily fluctuations due to load following will likely vary between a low of about 6,600 cfs (during late evening and early morning off-peak hours) to a high of about 12,600 cfs (during late afternoon and early evening on-peak hours). On Saturdays, releases will likely vary between a low of about 6,600 cfs during off-peak hours to a high of about 11,800 cfs during on-peak hours. On Sundays, releases will likely vary between a low of about 6,600 cfs during off-peak hours to a high of about 11,000 cfs during on-peak hours. This release pattern is shown in the following graph. It should be noted, however, that actual releases will occasionally deviate somewhat from those displayed due to real-time power system considerations.

A volume of 800,000 acre-feet is scheduled to be released in June which is an average release of 13,400 cfs. Because of the draw down condition of Lake Powell, releases from Lake Powell in water year 2004 are being scheduled to meet the minimum release objective of 8.23 million acre-feet. This is consistent with the requirements of the Criteria for Coordinated Long-Range Operation of Colorado River Reservoirs.

### **Upper Colorado River Basin Hydrology**

The month of March pretty much dashed hopes that 2004 would bring relief to the ongoing drought in the Colorado River Basin. Basin snowpack on March 1, 2004 was 96 percent of average. At that time the April through July inflow was forecasted to be 82 percent of average. The weather pattern in March, 2004 was very dry and extremely warm for early spring. Temperatures around the basin for much of the month were 20 degrees above average. Basinwide snowpack dropped over 30 percentage points in March.

In April, aggregate precipitation in the Upper Colorado River Basin was above average, with the southern portion of the basin receiving above average precipitation, and the northern regions near average. However, as of May 7, 2004 basinwide snowpack has dwindled to 49 percent of average. The National Weather Service May final forecast is calling for 3.8 million acre-feet of unregulated inflow to Lake Powell during the April through July runoff period, only 48 percent of average. This is a sizable reduction from the volume forecasted in March.

The drought continues. The Colorado River Basin is now in its 5th year of drought. Inflow volumes have been below average for 4 consecutive years, with 2004 almost certain to follow suit.

Unregulated inflow in water year 2003 was only 53 percent of average. Unregulated inflow in 2000, 2001 and 2002 was 62, 59, and 25 percent of average, respectively. Inflow in 2002 was the lowest ever observed since the completion of Glen Canyon Dam in 1963.

Inflow to Lake Powell in March and April approached average levels as abnormally warm temperatures melted out significant amounts of snow in the basin. Unregulated inflow in March was 538,000 acre-feet, 81 percent of average. April unregulated inflow was 816,000 acre-feet, 83 percent of average. Unfortunately the inflows seen in March and April will be at the expense of May and June inflows (when the largest inflow volumes are normally observed). As of May 6, 2004 inflow to Lake Powell is 9,600 cfs about 45 percent of what is normally seen in early May.

Low inflows the past 5 years have reduced water storage in Lake Powell. The current elevation (as of May 7, 2004) of Lake Powell is 3,583 feet (117 feet from full pool). Current storage is 10.2 million acre-feet (42 percent of live capacity).

The water surface elevation of Lake Powell has reached its seasonal low. The water surface elevation will increase incrementally in May and June, likely reaching a high of about 3,589 feet in mid-June. By late June the water surface elevation will likely begin to decrease. It's almost certain that Lake Powell will remain below elevation 3,600 feet in 2004. Under the current inflow forecast, the water surface elevation of Lake Powell is projected to be 3,571 feet on January 1, 2005. It should be noted that this projected elevation will likely shift, depending upon weather patterns the remainder of the year.

MAILED FROM    UPPER COLORADO REGION  
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RUNOFF PROJECTIONS AND INFLOW INFORMATION INTO UPPER BASIN RESERVOIR PROVIDED BY  
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICE'S  
COLORADO BASIN RIVER FORECAST CENTER ARE AS FOLLOWS

		Obs					Forecast			Outlook		
:	:	jan	feb	mar	apr	%Avg	may	jun	jul	apr-jul	%Avg	
GLDA3:Lake Powell		288	245	539	817	83%:	1250/	1350/	383/	3800/:	48%	
GBRW4:Fontenelle		25	23	58	66	71%:	89/	195/	75/	425/:	49%	
GRNU1:Flaming Gorge		27	33	98	85	54%:	120/	220/	85/	510/:	43%	
BMDC2:Blue Mesa		21	20	46	68	90%:	160/	180/	52/	460/:	64%	
MPSC2:Morrow Point		23	22	51	78	90%:	175/	193/	54/	500/:	64%	
CLSC2:Crystal		27	26	58	88	87%:	200/	215/	62/	565/:	62%	
VCRC2:Vallecito		5.1	4.5	15.9	22	105%:	60/	71/	17/	170/:	83%	
NVRN5:Navajo		17.3	24	120	149	86%:	220/	195/	61/	625/:	78%	
MPHC2:McPhee		3.6	3.7	25	50	83%:	90/	55/	10/	205/:	64%	
TPIC2:Taylor Park		3.9	3.7	5.5	7.7	91%:	23/	27/	12.3/	70/:	68%	
RBSC2:Ridgway						:	/	/	/	85/:	83%	
LEMC2:Lemon		0.73	0.63	3.1	6.3	124%:	15/	26/	5.7/	53/:	91%	

:  
:    \*\* UNREGULATED CRYSTAL INFLOW COMBINES BLUE MESA UNREGULATED  
:       INFLOW PLUS THE SIDE INFLOW TO BOTH MORROW POINT AND CRYSTAL

## OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Fontenelle Reservoir

12-may-2004 14:52:54

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Flaming Gorge Reservoir

12-may-2004 14:52:54

	Unreg Inflow 1000 Ac-Ft	Regulated Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* May 2003	99	119	7	140	0	140	69	6010.17	2647	0	590
H Jun 2003	244	111	9	63	0	63	70	6011.30	2684	0	506
I Jul 2003	72	48	11	50	0	50	70	6010.90	2670	0	102
S Aug 2003	33	44	11	52	0	52	69	6010.36	2653	0	65
T Sep 2003	26	40	9	50	0	50	68	6009.81	2635	0	65
WY 2003	764	737	68	709	0	709					2047
O Oct 2003	23	43	6	52	0	52	68	6009.38	2621	0	67
R Nov 2003	28	46	3	51	0	51	67	6009.17	2614	0	79
I Dec 2003	27	46	2	53	0	53	67	6008.91	2606	0	80
C Jan 2004	27	48	2	53	0	53	67	6008.73	2600	0	270
A Feb 2004	33	53	2	50	0	50	67	6008.77	2602	0	300
L Mar 2004	98	89	3	54	0	54	68	6009.71	2632	0	322
* Apr 2004	84	62	4	51	0	51	68	6009.90	2638	0	370
May 2004	120	104	9	106	0	106	68	6009.58	2628	0	106
Jun 2004	220	96	11	60	0	60	69	6010.35	2653	0	60
Jul 2004	85	71	12	61	0	61	69	6010.30	2651	0	61
Aug 2004	52	67	9	57	0	57	69	6010.34	2652	0	57
Sep 2004	42	68	8	48	0	48	69	6010.72	2664	0	48
WY 2004	839	793	71	696	0	696					1820
Oct 2004	52	71	4	49	0	49	70	6011.24	2682	0	49
Nov 2004	45	71	2	48	0	48	70	6011.86	2702	0	48
Dec 2004	32	67	2	49	0	49	71	6012.34	2718	0	49
Jan 2005	36	72	2	49	0	49	72	6012.97	2739	0	49
Feb 2005	40	73	2	44	0	44	73	6013.76	2765	0	44
Mar 2005	86	105	4	49	0	49	74	6015.26	2815	0	49
Apr 2005	126	131	6	48	0	48	77	6017.42	2890	0	48
May 2005	242	200	9	123	0	123	79	6019.30	2955	0	123
Jun 2005	376	243	12	198	0	198	80	6020.22	2987	0	198
Jul 2005	207	158	13	117	0	117	81	6020.99	3015	0	117
Aug 2005	86	104	10	117	0	117	80	6020.38	2993	0	117
Sep 2005	59	79	8	113	0	113	79	6019.22	2952	0	113
WY 2005	1387	1374	74	1004	0	1004					1004
Oct 2005	65	84	5	116	0	116	78	6018.21	2917	0	116
Nov 2005	56	81	2	113	0	113	76	6017.25	2883	0	113
Dec 2005	40	78	2	116	0	116	75	6016.12	2845	0	116
Jan 2006	45	85	2	116	0	116	74	6015.20	2814	0	116
Feb 2006	50	91	2	106	0	106	74	6014.72	2797	0	106
Mar 2006	108	128	4	116	0	116	74	6014.94	2805	0	116
Apr 2006	157	154	6	113	0	113	75	6015.94	2839	0	113

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Taylor Park Reservoir

12-may-2004 14:52:54

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2003	29	8	9305.60	63
H Jun 2003	31	13	9316.66	81
I Jul 2003	9	15	9313.21	75
S Aug 2003	6	14	9308.70	68
T Sep 2003	8	7	9309.00	68
WY 2003	109	81		
O Oct 2003	5	4	9309.72	69
R Nov 2003	4	3	9310.47	71
I Dec 2003	4	3	9310.82	71
C Jan 2004	4	3	9311.17	72
A Feb 2004	4	3	9311.44	72
L Mar 2004	5	4	9312.62	74
* Apr 2004	8	4	9314.81	78
May 2004	23	11	9321.83	90
Jun 2004	27	18	9326.64	100
Jul 2004	12	19	9323.43	93
Aug 2004	5	19	9316.21	80
Sep 2004	5	15	9310.08	70
WY 2004	106	106		
Oct 2004	5	6	9309.57	69
Nov 2004	4	4	9309.64	69
Dec 2004	4	4	9309.45	69
Jan 2005	3	4	9309.13	69
Feb 2005	3	4	9308.55	68
Mar 2005	3	4	9308.16	67
Apr 2005	7	6	9308.62	68
May 2005	22	10	9315.87	80
Jun 2005	36	16	9326.90	100
Jul 2005	18	18	9326.80	100
Aug 2005	8	18	9321.73	90
Sep 2005	6	16	9316.39	81
WY 2005	119	110		
Oct 2005	7	8	9315.53	79
Nov 2005	5	6	9315.02	78
Dec 2005	5	6	9314.20	77
Jan 2006	4	6	9313.22	75
Feb 2006	4	6	9311.91	73
Mar 2006	4	6	9310.86	71
Apr 2006				

8

10

9309.85

70

## **O P E R A T I O N      P L A N      F O R      C O L O R A D O      R I V E R      S Y S T E M      R E S E R V O I R S**

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Blue Mesa Reservoir

12-may-2004 14:52:54

	Unreg Inflow	Regulated Inflow	Evap Losses	Power Release	Bypass Release	Total Release	Reservoir elevation	Live Storage
	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	EOM Feet	1000 Ac-Ft
* May 2003	174	155	1	42	0	42	7466.19	411
H Jun 2003	170	150	1	48	0	48	7480.76	512
I Jul 2003	43	49	1	101	0	101	7473.26	458
S Aug 2003	33	40	1	93	0	93	7465.29	405
T Sep 2003	45	45	1	62	0	62	7462.45	387
WY 2003	631	606	5	489	0	489		
O Oct 2003	26	25	0	47	0	47	7458.78	364
R Nov 2003	23	22	0	16	0	16	7459.81	370
I Dec 2003	22	21	0	15	0	15	7460.86	377
C Jan 2004	21	20	0	14	0	14	7461.91	383
A Feb 2004	19	19	0	12	0	12	7463.03	390
L Mar 2004	46	44	0	13	0	13	7467.75	421
* Apr 2004	68	64	1	31	0	31	7472.65	454
May 2004	160	148	1	37	0	37	7487.68	563
Jun 2004	180	171	1	46	0	46	7503.08	687
Jul 2004	52	58	1	101	0	101	7497.71	643
Aug 2004	34	47	1	88	0	88	7492.46	601
Sep 2004	25	35	1	70	0	70	7487.94	565
WY 2004	676	674	6	490	0	490		
Oct 2004	30	31	0	42	0	42	7486.47	554
Nov 2004	26	26	0	12	0	12	7488.26	568
Dec 2004	21	21	0	14	0	14	7489.25	576
Jan 2005	20	20	0	31	0	31	7487.86	565
Feb 2005	18	19	0	39	0	39	7485.26	545
Mar 2005	28	29	0	57	0	57	7481.46	517
Apr 2005	60	59	1	66	0	66	7480.46	509
May 2005	174	162	1	51	0	51	7494.83	619
Jun 2005	234	214	1	43	0	43	7514.85	789
Jul 2005	107	107	2	88	0	88	7516.81	806
Aug 2005	52	62	1	101	0	101	7512.27	766
Sep 2005	33	43	1	101	0	101	7505.39	706
WY 2005	803	793	7	645	0	645		
Oct 2005	37	39	1	84	0	84	7499.88	660
Nov 2005	32	33	0	58	0	58	7496.74	635
Dec 2005	26	27	0	77	0	77	7490.48	585
Jan 2006	25	27	0	85	0	85	7482.82	527
Feb 2006	23	25	0	71	0	71	7476.50	481
Mar 2006	35	37	0	80	0	80	7470.26	438
Apr 2006		75		77		1		84

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Morrow Point Reservoir

12-may-2004 14:52:54

	Unreg Inflow 1000 Ac-Ft	Blue Mesa Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Total Inflow 1000 Ac-Ft	Evap losses 1000 Ac-Ft	Power Release 1000 Ac-Ft	Bypass Release 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2003	188	42	14	56	0	54	0	54	7157.73	115
H Jun 2003	180	48	10	58	0	59	0	59	7157.05	115
I Jul 2003	46	101	3	104	0	106	0	106	7154.89	113
S Aug 2003	36	93	3	95	0	97	0	97	7152.55	111
T Sep 2003	47	62	2	64	0	64	0	64	7153.42	112
WY 2003	678	489	48	536	0	530	0	530		
O Oct 2003	28	47	2	49	0	52	0	52	7149.88	109
R Nov 2003	25	16	2	18	0	16	0	16	7151.87	111
I Dec 2003	24	15	2	16	0	15	0	15	7153.36	112
C Jan 2004	23	14	2	15	0	17	0	17	7151.70	110
A Feb 2004	22	12	2	14	0	15	0	15	7150.31	109
L Mar 2004	51	13	5	18	0	17	0	17	7151.24	110
* Apr 2004	78	31	10	40	0	40	0	40	7151.23	110
May 2004	181	37	21	58	0	56	0	56	7153.73	112
Jun 2004	194	46	14	60	0	60	0	60	7153.73	112
Jul 2004	55	101	3	104	0	104	0	104	7153.73	112
Aug 2004	35	88	1	89	0	89	0	89	7153.73	112
Sep 2004	26	70	1	71	0	71	0	71	7153.73	112
WY 2004	742	490	65	552	0	552	0	552		
Oct 2004	31	42	1	42	0	43	0	43	7153.73	112
Nov 2004	27	12	1	13	0	13	0	13	7153.73	112
Dec 2004	22	14	1	15	0	15	0	15	7153.73	112
Jan 2005	22	31	2	33	0	33	0	33	7153.73	112
Feb 2005	21	39	3	41	0	42	0	42	7153.73	112
Mar 2005	31	57	3	60	0	60	0	60	7153.73	112
Apr 2005	68	66	8	74	0	74	0	74	7153.73	112
May 2005	198	51	24	75	0	75	0	75	7153.73	112
Jun 2005	252	43	18	61	0	61	0	61	7153.73	112
Jul 2005	113	88	6	94	0	94	0	94	7153.73	112
Aug 2005	54	101	2	103	0	103	0	103	7153.73	112
Sep 2005	35	101	2	103	0	103	0	103	7153.73	112
WY 2005	874	645	71	714	0	716	0	716		
Oct 2005	39	84	2	86	0	86	0	86	7153.73	112
Nov 2005	34	58	2	60	0	60	0	60	7153.73	112
Dec 2005	28	77	2	79	0	79	0	79	7153.73	112
Jan 2006	27	85	2	87	0	87	0	87	7153.73	112
Feb 2006	25	71	3	73	0	73	0	73	7153.73	112
Mar 2006	39	80	4	84	0	84	0	84	7153.73	112
Apr 2006	85	84	10	94	0	94	0	94	7153.73	112

## OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Crystal Reservoir

12-may-2004 14:52:54

	unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elevation	Live Storage	Tunnel Flow	Below_tunnel Flow
	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	EOM Feet	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft
* May 2003	206	54	18	72	72	0	72	6752.51	17	49	24
H Jun 2003	196	59	16	75	77	1	78	6740.47	13	48	34
I Jul 2003	52	106	6	111	108	1	109	6748.44	16	63	49
S Aug 2003	42	97	6	103	102	0	102	6752.65	17	62	41
T Sep 2003	52	64	5	68	70	0	70	6744.61	15	46	27
WY 2003	756	530	76	605	522	85	607		317	269	
O Oct 2003	32	52	4	56	27	28	55	6746.98	15	34	23
R Nov 2003	29	16	4	20	0	20	20	6747.86	16	0	20
I Dec 2003	27	15	4	19	0	20	20	6744.53	15	1	19
C Jan 2004	27	17	4	21	0	20	20	6748.12	16	0	19
A Feb 2004	25	15	3	18	0	18	18	6748.18	16	1	19
L Mar 2004	58	17	7	25	0	24	24	6749.98	16	5	19
* Apr 2004	88	40	10	50	0	50	50	6751.44	17	33	19
May 2004	200	56	19	75	77	0	77	6746.05	15	55	22
Jun 2004	215	60	21	81	81	0	81	6746.05	15	60	21
Jul 2004	62	104	7	111	111	0	111	6746.05	15	65	46
Aug 2004	42	89	7	96	96	0	96	6746.05	15	65	31
Sep 2004	32	71	6	77	77	0	77	6746.05	15	55	21
WY 2004	837	552	96	649	469	180	649		374	279	
Oct 2004	38	43	7	49	50	0	50	6746.05	15	30	19
Nov 2004	32	13	5	18	18	0	18	6746.05	15	0	18
Dec 2004	26	15	4	19	19	0	19	6746.05	15	0	19
Jan 2005	26	33	4	37	37	0	37	6746.05	15	0	37
Feb 2005	24	42	3	44	45	0	45	6746.05	15	0	44
Mar 2005	38	60	7	67	67	0	67	6746.05	15	5	61
Apr 2005	83	74	15	89	89	0	89	6746.05	15	30	59
May 2005	239	75	41	116	116	0	116	6746.05	15	55	61
Jun 2005	302	61	50	111	111	0	111	6746.05	15	60	51
Jul 2005	134	94	21	115	115	0	115	6746.05	15	65	50
Aug 2005	66	103	12	115	115	0	115	6746.05	15	65	50
Sep 2005	44	103	9	112	112	0	112	6746.05	15	55	57
WY 2005	1052	716	178	892	894	0	894		365	526	
Oct 2005	47	86	8	94	94	0	94	6746.05	15	30	64
Nov 2005	40	60	6	66	66	0	66	6746.05	15	0	66
Dec 2005	33	79	5	84	84	0	84	6746.05	15	0	84
Jan 2006	32	87	5	92	92	0	92	6746.05	15	0	92
Feb 2006	30	73	4	78	78	0	78	6746.05	15	0	78
Mar 2006	47	84	8	91	91	0	91	6746.05	15	5	86
Apr 2006	104	94	18	112	112	0	112	6746.05	15	30	

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Vallecito Reservoir

12-may-2004 14:52:54

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* May 2003	53	29	7646.68	79
H Jun 2003	30	40	7641.61	68
I Jul 2003	9	36	7627.82	41
S Aug 2003	11	26	7616.93	25
T Sep 2003	17	6	7624.58	36
WY 2003	163	142		
O Oct 2003	6	4	7625.86	38
R Nov 2003	6	0	7629.25	43
I Dec 2003	5	0	7631.78	48
C Jan 2004	5	0	7634.30	53
A Feb 2004	4	0	7636.34	57
L Mar 2004	16	0	7643.57	72
* Apr 2004	25	7	7651.11	90
May 2004	60	42	7658.17	108
Jun 2004	71	53	7665.15	126
Jul 2004	17	40	7656.42	103
Aug 2004	11	40	7644.46	74
Sep 2004	11	35	7632.96	50
WY 2004	237	221		
Oct 2004	11	13	7632.00	49
Nov 2004	7	0	7635.58	55
Dec 2004	5	0	7637.78	60
Jan 2005	4	0	7639.53	63
Feb 2005	4	0	7641.23	67
Mar 2005	6	0	7643.97	73
Apr 2005	17	6	7648.86	84
May 2005	54	43	7653.23	95
Jun 2005	66	44	7661.65	117
Jul 2005	28	43	7655.87	102
Aug 2005	15	43	7644.28	74
Sep 2005	14	35	7634.48	53
WY 2005	231	227		
Oct 2005	14	12	7635.51	55
Nov 2005	9	6	7637.01	58
Dec 2005	6	6	7637.02	58
Jan 2006	5	4	7637.50	59
Feb 2006	5	4	7637.96	60
Mar 2006	8	4	7639.87	64
Apr 2006			21	

16

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69

## OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Navajo Reservoir

12-may-2004 14:52:54

	Mod	Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir	Live	Farm
	Inflow	Tunnel	Div	Inflow	Losses	Diversion	Release	Elevation	Storage	Flow
	1000	1000	1000	1000	1000	1000	1000	EOM	1000	1000
	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	ac-Ft	Ac-Ft	Feet	Ac-Ft	Ac-Ft
* May 2003	163	26	115	2	26	25	6016.96	884	98	
H Jun 2003	81	19	68	3	36	29	6017.05	885	85	
I Jul 2003	-9	1	17	3	41	58	6007.43	800	53	
S Aug 2003	2	1	19	2	33	43	6000.18	740	51	
T Sep 2003	48	3	35	2	15	24	5999.45	734	67	
WY 2003	479	62	400	17	183	338			604	
O Oct 2003	14	0	12	1	7	27	5996.50	711	49	
R Nov 2003	24	0	18	1	0	16	5996.73	713	51	
I Dec 2003	18	0	13	0	0	15	5996.36	710	78	
C Jan 2004	17	0	13	0	0	15	5995.94	707	71	
A Feb 2004	24	0	20	1	1	14	5996.45	711	38	
L Mar 2004	120	12	94	1	4	16	6005.51	784	56	
* Apr 2004	152	15	119	2	11	21	6015.33	869	105	
May 2004	220	45	157	2	29	22	6026.45	973	22	
Jun 2004	195	35	141	3	41	21	6034.06	1050	21	
Jul 2004	61	5	79	3	46	28	6034.31	1053	28	
Aug 2004	34	3	60	2	41	36	6032.43	1033	36	
Sep 2004	31	1	54	2	18	22	6033.63	1045	22	
WY 2004	910	116	780	18	198	253			577	
Oct 2004	35	1	35	1	12	22	6033.69	1046	22	
Nov 2004	28	0	21	1	1	16	6034.04	1050	16	
Dec 2004	20	0	15	0	0	15	6034.00	1049	15	
Jan 2005	18	0	14	0	0	16	6033.81	1047	16	
Feb 2005	25	0	21	0	0	15	6034.39	1053	15	
Mar 2005	71	1	64	1	5	15	6038.48	1096	15	
Apr 2005	136	14	110	2	24	15	6044.87	1166	15	
May 2005	220	31	178	3	31	47	6053.32	1265	47	
Jun 2005	206	32	152	3	43	112	6052.82	1259	112	
Jul 2005	67	9	73	4	48	20	6052.86	1260	20	
Aug 2005	36	3	61	3	43	34	6051.30	1241	34	
Sep 2005	36	1	56	2	19	20	6052.51	1255	20	
WY 2005	898	92	800	20	226	347			347	
Oct 2005	44	1	41	1	12	22	6053.04	1262	22	
Nov 2005	35	0	32	1	1	16	6054.23	1276	16	
Dec 2005	25	0	25	0	0	15	6055.03	1286	15	
Jan 2006	23	0	22	0	0	16	6055.45	1291	16	
Feb 2006	30	0	29	1	0	17	6056.41	1303	17	
Mar 2006	89	1	85	1	5	20	6061.08	1362	20	
Apr 2006	170	14	150	2		24	34	6067.94	1452	

## **O P E R A T I O N      P L A N      F O R      C O L O R A D O      R I V E R      S Y S T E M      R E S E R V O I R S**

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Lake Powell

12-may-2004 14:52:54

## OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Hoover Dam - Lake Mead

12-may-2004 14:52:54

	Glen Release 1000 Ac-Ft	Side Inflow 1000 Ac-Ft	Evap Losses 1000 Ac-Ft	Total Release 1000 Ac-Ft	Total Release 1000 CFS	SNWP Use 1000 Ac-Ft	Dwnstrm Reqmnts 1000 Ac-Ft	Bank Storage 1000 Ac-Ft	Reservoir Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* May 2003	652	29	58	1017	16.5	24	1013	1033	1144.68	15893
H Jun 2003	842	5	69	918	15.4	31	917	1023	1143.19	15733
I Jul 2003	900	39	86	964	15.7	33	964	1014	1141.93	15598
S Aug 2003	902	118	91	744	12.1	31	743	1023	1143.27	15741
T Sep 2003	473	81	75	584	9.8	26	581	1015	1142.12	15618
WY 2003	8227	656	719	9462		268	9383			
O Oct 2003	490	21	54	539	8.8	26	537	1009	1141.17	15517
R Nov 2003	475	46	54	637	10.7	20	635	997	1139.48	15337
I Dec 2003	602	46	47	623	10.1	19	621	994	1139.12	15300
C Jan 2004	789	40	38	633	10.3	15	635	1003	1140.39	15434
A Feb 2004	743	77	35	806	14.0	10	790	1001	1140.11	15404
L Mar 2004	805	40	39	946	15.4	19	942	992	1138.70	15255
* Apr 2004	648	56	48	1049	17.6	22	1033	966	1134.98	14866
May 2004	600	78	54	1127	18.3	32	1127	934	1130.08	14363
Jun 2004	800	39	65	955	16.0	32	955	921	1128.11	14163
Jul 2004	898	68	81	833	13.5	32	833	922	1128.30	14182
Aug 2004	900	83	86	787	12.8	32	787	927	1129.02	14255
Sep 2004	480	71	71	570	9.6	30	570	919	1127.90	14142
WY 2004	8230	665	672	9505		289	9466			
Oct 2004	492	62	52	327	5.3	30	327	928	1129.26	14278
Nov 2004	476	60	52	660	11.1	21	660	916	1127.43	14094
Dec 2004	492	77	44	645	10.5	16	645	908	1126.16	13967
Jan 2005	850	73	36	723	11.8	13	723	917	1127.57	14109
Feb 2005	650	98	33	718	12.9	12	718	916	1127.43	14094
Mar 2005	600	84	37	951	15.5	20	951	896	1124.39	13790
Apr 2005	600	58	45	1111	18.7	25	1111	864	1119.37	13298
May 2005	650	78	51	1035	16.8	32	1035	841	1115.57	12932
Jun 2005	800	39	61	887	14.9	32	887	832	1114.19	12800
Jul 2005	910	68	76	872	14.2	32	872	832	1114.17	12799
Aug 2005	910	83	81	801	13.0	32	801	837	1114.94	12873
Sep 2005	800	71	67	590	9.9	30	590	848	1116.75	13046
WY 2005	8230	851	635	9320		295	9318			
Oct 2005	600	62	49	435	7.1	30	435	857	1118.19	13185
Nov 2005	600	60	49	633	10.6	21	633	854	1117.77	13144
Dec 2005	800	77	43	627	10.2	16	626	866	1119.63	13324
Jan 2006	800	73	35	722	11.7	13	722	872	1120.65	13421
Feb 2006	600	98	32	687	12.4	12	687	870	1120.32	13390
Mar 2006	600	84	36	966	15.7	20	966	850	1117.03	13073
Apr 2006	600	58	44	1118	18.8	25	1118	817	1111.81	12576

## **O P E R A T I O N      P L A N      F O R      C O L O R A D O      R I V E R      S Y S T E M      R E S E R V O I R S**

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Davis Dam - Lake Mohave

12-may-2004 14:52:54

## **O P E R A T I O N      P L A N      F O R      C O L O R A D O      R I V E R      S Y S T E M      R E S E R V O I R S**

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Parker Dam - Lake Havasu

12-may-2004 14:52:54

	Davis Release	Side Inflow	Total Release	Total Release	MWD Diversion	CAP diversion	Reservoir Elevation	EOM Storage	Flow to Mexico	Flow to Mexico
	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 CFS	1000 Ac-Ft	1000 Ac-Ft	EOM Feet	1000 Ac-Ft	1000 Ac-Ft	1000 CFS
* May 2003	955	49	709	11.5	53	184	448.83	596	112	1.8
H Jun 2003	905	-15	715	12.0	35	144	448.57	591	112	1.9
I Jul 2003	886	-13	742	12.1	51	76	448.81	596	122	2.0
S Aug 2003	723	-4	607	9.9	63	48	448.81	596	100	1.6
T Sep 2003	660	-9	572	9.6	57	54	447.05	562	93	1.6
WY 2003	9135	19	6840		764	1492			1571	
O Oct 2003	706	-9	509	8.3	60	125	447.20	565	73	1.2
R Nov 2003	568	6	336	5.7	67	175	446.96	560	100	1.7
I Dec 2003	540	9	347	5.6	75	171	444.52	516	121	2.0
C Jan 2004	580	-4	333	5.4	60	188	444.21	511	129	2.1
A Feb 2004	695	1	418	7.3	58	175	446.75	557	169	2.9
L Mar 2004	958	-12	724	11.8	57	186	445.64	536	202	3.3
* Apr 2004	1033	-7	751	12.6	71	181	446.84	558	212	3.6
May 2004	1048	-2	765	12.4	58	188	448.71	594	109	1.8
Jun 2004	941	-7	744	12.5	62	122	449.00	599	109	1.8
Jul 2004	859	-9	760	12.4	29	79	448.00	580	119	1.9
Aug 2004	752	1	662	10.8	29	72	447.50	570	98	1.6
Sep 2004	633	8	557	9.4	28	69	446.81	557	89	1.5
WY 2004	9313	-25	6906		654	1731			1530	
Oct 2004	490	11	482	7.8	29	0	446.31	548	74	1.2
Nov 2004	543	17	375	6.3	28	163	445.99	543	99	1.7
Dec 2004	494	0	320	5.2	29	148	445.80	539	119	1.9
Jan 2005	608	-6	357	5.8	59	186	445.80	539	130	2.1
Feb 2005	659	10	467	8.4	33	168	445.80	539	155	2.8
Mar 2005	922	12	669	10.9	62	187	446.70	555	200	3.3
Apr 2005	1075	0	796	13.4	60	181	448.71	594	193	3.2
May 2005	1002	-2	740	12.0	62	180	449.60	611	109	1.8
Jun 2005	886	-7	733	12.3	30	116	449.60	611	111	1.9
Jul 2005	856	-9	763	12.4	31	83	448.00	580	121	2.0
Aug 2005	766	1	665	10.8	31	80	447.50	570	100	1.6
Sep 2005	652	8	559	9.4	30	84	446.81	557	90	1.5
WY 2005	8953	35	6926		484	1576			1501	
Oct 2005	598	11	484	7.9	31	103	446.29	548	72	1.2
Nov 2005	516	17	375	6.3	41	123	446.00	543	99	1.7
Dec 2005	475	0	320	5.2	42	117	445.80	539	119	1.9
Jan 2006	607	-6	356	5.8	59	186	445.80	539	130	2.1
Feb 2006	661	10	466	8.4	33	168	446.00	543	155	2.8
Mar 2006	915	12	667	10.8	62	186	446.70	555	200	3.3
Apr 2006	1071	0	793	13.3		60	180	448.71	594	193

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T E M   R E S E R V O I R S

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Hoover Dam - Lake Mead

11-may-2004 12:48:41

	Power Release	Power Release	EOM Reservoir Elevation	EOM Storage 1000	Change In Storage 1000	Hoover Static Head	Hoover Generator Capacity MW	Hoover Gross Energy MKWH	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Feet	Ac-Ft	Ac-Ft	Feet				
* May 2003	1017	16.5	1144.68	15893	-393	0.00	1509.0	443.4	82	435.8
H Jun 2003	918	15.4	1143.19	15733	-161	0.00	1840.0	394.8	100	429.9
I Jul 2003	964	15.7	1141.93	15598	-135	0.00	1840.0	413.6	100	428.8
S Aug 2003	744	12.1	1143.27	15741	144	0.00	1840.0	313.4	100	421.2
T Sep 2003	584	9.8	1142.12	15618	-124	0.00	1840.0	242.1	100	414.5
WY 2003	9463							4112.9		
O Oct 2003	539	8.8	1141.17	15517	-101	0.00	1490.0	225.4	81	418.5
R Nov 2003	637	10.7	1139.48	15337	-178	0.00	1233.0	272.5	67	427.7
I Dec 2003	623	10.1	1139.12	15300	-38	0.00	1141.0	266.0	62	426.8
C Jan 2004	633	10.3	1140.39	15434	134	0.00	1141.0	270.3	62	426.9
A Feb 2004	806	14.0	1140.11	15404	-29	0.00	1251.0	349.0	68	433.3
L Mar 2004	946	15.4	1138.70	15255	-149	0.00	1270.0	406.4	69	429.8
* Apr 2004	1049	17.6	1134.98	14866	-389	0.00	1270.0	450.9	69	429.8
May 2004	1127	18.3	1130.08	14363	-503	478.59	1885.0	485.1	100	430.3
Jun 2004	955	16.0	1128.11	14163	-200	474.78	1885.0	399.8	100	418.6
Jul 2004	833	13.5	1128.30	14182	19	474.72	1885.0	355.1	100	426.3
Aug 2004	787	12.8	1129.02	14255	73	475.83	1885.0	333.9	100	424.1
Sep 2004	570	9.6	1127.90	14142	-113	476.77	1885.0	236.3	100	414.3
WY 2004	9505							4050.7		
Oct 2004	327	5.3	1129.26	14278	137	479.68	1771.9	127.4	94	389.8
Nov 2004	660	11.1	1127.43	14094	-184	484.01	1413.8	281.2	75	426.1
Dec 2004	645	10.5	1126.16	13967	-127	480.77	1300.7	275.9	69	428.1
Jan 2005	723	11.8	1127.57	14109	142	478.29	1300.7	309.1	69	427.5
Feb 2005	718	12.9	1127.43	14094	-14	477.51	1300.7	310.5	69	432.6
Mar 2005	951	15.5	1124.39	13790	-305	475.52	1300.7	412.8	69	434.0
Apr 2005	1111	18.7	1119.37	13298	-491	471.50	1300.7	485.7	69	437.2
May 2005	1035	16.8	1115.57	12932	-366	465.79	1526.8	434.9	81	420.3
Jun 2005	887	14.9	1114.19	12800	-132	461.46	1885.0	365.2	100	411.9
Jul 2005	872	14.2	1114.17	12799	-1	461.25	1885.0	364.5	100	418.1
Aug 2005	801	13.0	1114.94	12873	74	461.80	1885.0	332.0	100	414.4
Sep 2005	590	9.9	1116.75	13046	173	464.22	1885.0	240.3	100	407.5
WY 2005	9318							3939.3		
Oct 2005	435	7.1	1118.19	13185	139	470.71	1413.8	177.5	75	408.2
Nov 2005	633	10.6	1117.77	13144	-40	473.68	1413.8	263.2	75	415.8
Dec 2005	627	10.2	1119.63	13324	180	472.70	1300.7	263.4	69	420.4
Jan 2006	722	11.7	1120.65	13421	97	471.58	1300.7	304.8	69	422.4
Feb 2006	687	12.4	1120.32	13390	-31	470.91	1300.7	291.8	69	425.0
Mar 2006	966	15.7	1117.03	13073	-317	468.85	1300.7	415.0	69	429.6
Apr 2006	1118	18.8	1111.81	12576	-497	460.81	1885.0	467.0	100	417.6

## **O P E R A T I O N      P L A N      F O R      C O L O R A D O      R I V E R      S Y S T E M      R E S E R V O I R S**

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Davis Dam - Lake Mohave

11-may-2004 12:48:41

## **O P E R A T I O N      P L A N      F O R      C O L O R A D O      R I V E R      S Y S T E M      R E S E R V O I R S**

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply  
Parker Dam - Lake Havasu

11-may-2004 12:48:41

## O P E R A T I O N   P L A N   F O R   C O L O R A D O   R I V E R   S Y S T Y M   R E S E R V O I R S

Bureau of Reclamation - CRFS 5/2004 Most Prob Water Supply

Wed May 12 15:23:08 2004

## Upper Basin Power

	Glen Canyon 1000 MWHR	Flam Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Res 1000 MWHR	Font Res 1000 MWHR
* May 2003	275	48	11	20	18	5
H Jun 2003	0	0	0	0	0	0
I Jul 2003	386	17	29	39	20	3
S Aug 2003	382	17	26	36	23	3
T Sep 2003	201	32	17	23	22	3
Summer 2003	1244	114	83	117	83	15
O Oct 2003	206	17	13	18	8	2
R Nov 2003	198	17	4	6	0	3
I Dec 2003	251	22	4	5	1	3
C Jan 2004	325	17	4	6	0	3
A Feb 2004	294	24	5	5	0	0
L Mar 2004	312	18	3	6	0	3
Winter 2004	1586	115	32	46	8	14
* Apr 2004	260	16	8	14	0	3
May 2004	229	38	11	20	0	6
Jun 2004	306	21	14	22	0	6
Jul 2004	342	22	31	37	21	6
Aug 2004	338	20	26	32	18	6
Sep 2004	179	17	20	25	14	6
Summer 2004	1395	118	102	137	53	29
Oct 2004	183	17	12	15	9	5
Nov 2004	176	17	4	5	3	5
Dec 2004	182	17	4	5	3	5
Jan 2005	311	17	9	12	7	5
Feb 2005	235	16	11	15	8	4
Mar 2005	216	18	16	21	13	4
Winter 2005	1303	103	56	74	44	29
Apr 2005	215	17	19	27	17	5
May 2005	236	44	15	27	22	7
Jun 2005	299	71	13	22	21	8
Jul 2005	346	42	28	34	22	10
Aug 2005	345	42	32	37	22	9
Sep 2005	301	41	31	37	21	6
Summer 2005	1742	258	138	184	124	44
Oct 2005	225	42	26	31	18	6
Nov 2005	225	41	17	22	12	6
Dec 2005	299	42	23	29	16	6
Jan 2006	297	42	25	31	17	5
Feb 2006	222	38	20	26	15	5
Mar 2006	221	41	22	30	17	4
Winter 2006	1490	245	133	169	95	33

Apr 2006

222

40

23

34

21

5

model run id = 1409

## FLOOD CONTROL CRITERIA BEGINNING OF MONTH CONDITIONS

MON	YEAR	FLAMING	BLUE	NAVAJO	LAKE	UPPER	LAKE	TOT	FLAMING	BLUE	TOT	TOT	TOT	TOT	BOM	MEAD	MEAD	SYS		
		GORG	MESA						GORG	MESA	KAF	OR	LAKE	LAKE	SPACE	SCHED	FC	CONT		
		*	*	*	*	P	R	E	D	I	C	T	E	D	S	P	A	C	E	
MAY	2004	1269	376		827	14127	16599	12514	29113	198	208		307	713	14127	12514	27355	1500	1127	0 31.8
JUN	2004	1264	266		723	13797	16050	13017	29067	184	85		172	441	13797	13017	27255	1500	955	0 32.0
JUL	2004	1118	143		646	13685	15591	13217	28808	24	-49		52	27	13685	13217	26928	1500	833	0 31.5
AUG	2004	1108	187		643	14160	16099	13198	29297	1108	187		643	1938	14160	13198	29297	1500	787	0 30.9
SEP	2004	1124	229		663	14690	16706	13125	29831	1124	229		663	2016	14690	13125	29831	2270	570	0 30.5
OCT	2004	1140	264		651	14841	16895	13238	30133	1140	264		651	2055	14841	13238	30133	3040	327	0 30.4
NOV	2004	1143	275		650	14904	16972	13102	30074	1143	275		650	2068	14904	13102	30074	3810	660	0 30.2
DEC	2004	1149	262		646	14981	17038	13286	30324	1149	262		646	2057	14981	13286	30324	4580	645	0 30.0
JAN	2005	1169	254		647	15125	17195	13413	30608	1169	254		647	2070	15125	13413	30608	5350	723	0 29.7
JAN	2005	1169	254		647	15125	17195	13413	30608	485	254		374	1113	15125	13413	29651	5350	723	0 29.7
FEB	2005	1185	265		649	15606	17704	13271	30975	498	265		375	1138	15606	13271	30015	1500	718	0 29.5
MAR	2005	1192	284		643	15896	18015	13286	31301	502	284		369	1155	15896	13286	30336	1500	951	0 29.1
APR	2005	1161	313		600	16031	18105	13590	31695	465	313		320	1098	16031	13590	30719	1500	1111	0 28.8
MAY	2005	1092	320		530	16018	17961	14082	32042	387	320		224	932	16018	14082	31032	1500	1035	0 29.5
JUN	2005	986	210		431	15268	16895	14448	31342	268	210		93	571	15268	14448	30286	1500	887	0 30.8
JUL	2005	823	41		437	14117	15418	14580	29997	90	19		52	161	14117	14580	28858	1500	872	0 31.1
AUG	2005	749	23		436	13935	15144	14581	29724	749	23		436	1209	13935	14581	29724	1500	801	0 30.7
SEP	2005	791	64		455	14248	15558	14507	30065	791	64		455	1310	14248	14507	30065	2270	590	0 30.4
OCT	2005	854	123		441	14508	15926	14334	30261	854	123		441	1418	14508	14334	30261	3040	435	0 30.2
NOV	2005	910	169		434	14496	16009	14195	30204	910	169		434	1513	14496	14195	30204	3810	633	0 30.2
DEC	2005	969	195		420	14506	16090	14236	30326	969	195		420	1583	14506	14236	30326	4580	626	0 30.1
JAN	2006	1046	244		410	14753	16453	14056	30509	1046	244		410	1701	14753	14056	30509	5350	722	0 29.9
JAN	2006	1046	244		410	14753	16453	14056	30509	497	244		274	1015	14753	14056	29823	5350	722	0 29.9
FEB	2006	1118	303		405	15018	16844	13959	30803	568	303		268	1139	15018	13959	30116	1500	687	0 29.7
MAR	2006	1176	349		393	15118	17036	13990	31025	624	349		256	1228	15118	13990	30336	1500	966	0 29.5
APR	2006	1188	392		334	15087	17002	14307	31309	632	392		191	1215	15087	14307	30609	1500	1118	0 29.3